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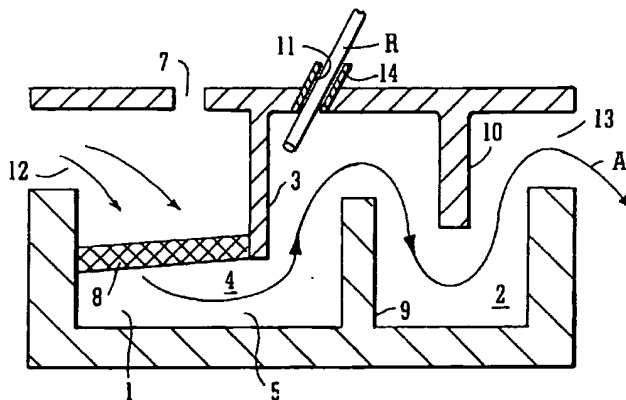
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- (54) Title: TREATMENT OF METAL MELTS



**(57) Abstract:** A method of maintaining the life of a porous filter when refining a metal melt by controlling the formation of a filter cake thereon, the method comprising passing liquid metal through a porous filter and adding a filter cake formation agent to the metal; contacting the filter metal with a grain refining agent followed by mechanical mixing to promote intimate mixing of the metal and the grain refining agent to produce refined metal, whereby a filter cake is formed on the porous filter without significant change in the metallostatic head above the filter.

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